

**FRIEDMAN & BRUYA, INC.****ENVIRONMENTAL CHEMISTS**

Date of Report: July 13, 1995  
Date Received: June 30, 1995  
Project: #7238, Metro 24 Hr. (ACW), PO M42182  
Date Samples Extracted: July 13, 1995  
Date Extracts Analyzed: July 13, 1995

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR CHROMIUM, COPPER, NICKEL AND ZINC****Samples Processed Using Method 3005**

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M42182 A Discharging	0.58	0.20	0.46	<0.05
M42182 B Not Discharging	0.59	0.19	0.42	<0.05
<b><u>Quality Assurance</u></b>				
Blank	<0.05	<0.05	<0.05	<0.05
M42182 B Not Discharging (Duplicate)	0.62	0.18	0.42	<0.05
M42182 B Not Discharging (Matrix Spike) %Recovery	94%	96%	94%	94%
M42182 B Not Discharging (Matrix Spike Duplicate) % Recovery	91%	93%	92%	93%
Spike Blank % Recovery	96%	95%	97%	96%
Spike Level	5	5	10	5

BARB AI  
06.30.95  
2.00

Send Report To: Alaska Copper Works Contact: ~~James~~ Greene  
Company: Alaska Copper Works  
Address: 628 Alameda ST  
City, State, Zip: Seattle WA 98134  
Phone #: (206) 352-8379 Date: 6-20-95

Sample #	Date/Time Sampled	Type of Sample	# of Jars	Lab Sample #	Analyses Requested
M 42182A	12.30 6-30	H <sub>2</sub> O	1	60280	CC CU m, 2-)
Discharge					
M 42182B	12.30 6-30	H <sub>2</sub> O	1	60281 <sup>4D</sup>	CC CU m, 2-)
Extracts sent to Northern Analytical.					
					JPH/7-5-9

FORMS/COC

AKC-0012806

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3012 16th Avenue West  
Seattle, WA 98119-2029  
FAX: (206) 283-5044

**DUPLICATE COPY**

**July 13, 1995**

**INVOICE # 95ACU0713-1**

**Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134**

**RE: Project #7238, Metro 24 Hr. (ACW), PO M42182: Results of testing requested  
by Gerald Thompson, Project Leader for material submitted on June 30,  
1995.**

**2 water samples analyzed for Chromium, Copper,  
Nickel and Zinc @ \$65 per sample**

**\$ 130.00**

**Amount Due .....**

**\$ 130.00**

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Andrew John Friedman  
James E. Bruya, Ph.D.  
(206) 285-8282

3012 16th Avenue West  
Seattle, WA 98119-2029  
FAX: (206) 283-5044

July 13, 1995

Gerald Thompson, Project Leader  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on June 30, 1995 from your project #7238, Metro 24 Hr. (ACW), PO M42182.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Bradley T. Benson  
Chemist

jdp  
Enclosures

ACU0713R

AKC-0012808